

AV000014

Integrated Public Safety DAS Coaxial Cable Connector



Reliable RF connectivity with simplified field installation.

- Compatible with both copper and aluminum 1/2" coaxial cables.
- Two-piece design simplifies and speeds field installation.
- Optimized cable interface supports reliable RF performance.
- Low PIM helps minimize signal interference.
- Consistent VSWR supports efficient signal transmission.
- IP68-rated construction protects against water ingress.



Specifications

Transmission Line Type	Coaxial Cable
Cable Size	0.5"
Connector Interface	N
Gender	Male
Connector Type	OMNI FIT™ Standard
Sealing Method	O-Ring
Nominal Impedance	50 Ω
Maximum Frequency	6 GHz
3rd Order IM Product @ 2 × 20 W	-159 dBc Typical
Outer / Inner Plating	Trimetal / Silver
Inner Contact Attachment	Basket
Outer Contact Attachment	Spring C-Ring
Length	2.31" (58.7 mm)
Outer Diameter	1.00" (25.9 mm)
Ingress Protection	IP68

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RF Performance

Frequency Range	VSWR	Return Loss
>0–1.0 GHz	1.03	36.6 dB
>1.0–2.7 GHz	1.04	34.1 dB
>2.7–3.7 GHz	1.08	28.3 dB
>3.7–6.0 GHz	1.08	28.0 dB